REMARKS

Claims 1-3, 5, 6, and 12-17 were pending in the current application. Applicants have amended independent claims 1, 12, 15. Reexamination and reconsideration of all pending claims are respectfully requested.

35 U.S.C. § 103

The Office Action rejected claims 1, 3, 5, 6, and 12-17, which includes independent claims 1, 12, and 15, under 35 U.S.C. §103 based on Yang et al., U.S. Patent No. 6,731,674 ("Yang") in view of Gorday et al., U.S. Patent Application US 2003/0112849 ("Gorday").

While Applicants have amended claims 1, 12, and 15, Applicants do not agree that the combination of Yang in view of Gorday rendered the claims obvious as previously written, in that the combination of Yang and Gorday is simply a hindsight reconstruction using Applicants claims as a guide, and Applicants dispute the wholesale incorporation of the "reverse" sequence described in Gorday into the teachings of Yang.

However, Applicants have amended independent claims 1, 12, and 15 to recite "a second PN generator to generate a second PN sequence at a second offset, wherein the first PN sequence is generated from equations different from equations used to generate the second PN sequence" (claim 1, with similar limitations in claims 12 and 15). Such a design is neither disclosed nor suggested by Yang and/or Gorday. Yang's PN code generator does not generate PN sequences from equations *different from equations used to generate other PN sequences*, but simply generates PN codes PNi and PNq. Gorday also fails to show this limitation.

Applicants specifically note that the Office Action rejected claims 5, 6, 13, 14, 16, and 17 because "according to IS-95 standards, the short code I-sequence is associated

$$P_{I,1} = x^{15} + x^{13} + x^9 + x^8 + x^7 + x^5 + 1$$ and Q-sequence is

$$P_{Q,1} = x^{15} + x^{12} + x^{11} + x^{10} + x^6 + x^5 + x^4 + x^3 + 1.$$ " Office Action, p. 3. This does not address different equations used to generate different PN sequences as presently claimed

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or sequences as claimed in claims 6, 14, and 17, for example, which recite the different

equations $P_{1,2} = x^{15} + x^{10} + x^8 + x^7 + x^6 + x^2 + 1$

and $P_{Q,2} = x^{15} + x^{12} + x^{11} + x^{10} + x^9 + x^5 + x^4 + x^3 + 1$. Yang does not employ these

different equations, nor can it be said to employ different equations when generating PN

sequences as required by the claims, as amended. As such, independent claims 1, 12, and

15, as amended, are not anticipated nor rendered obvious by Yang and/or Gorday.

Thus Applicants submit that independent claims 1, 12, and 15 are allowable in

view of the cited references, and that claims depending from these allowable independent

claims are allowable as they include limitations missing from the cited references, alone

or in combination.

Accordingly, it is respectfully submitted that all pending claims, as amended, fully

comply with 35 U.S.C. § 103.

CONCLUSION

In view of the foregoing, it is respectfully submitted that all claims of the present application are in condition for allowance. Reexamination and reconsideration of all of the claims are respectfully requested and allowance of all the claims at an early date is solicited.

It is believed that all of the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper, and the amendment of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment.

Applicants believe that no fees are due in accordance with this Response beyond those included herewith. Should any fees be due, the Commissioner is hereby authorized to charge any deficiencies or credit any overpayment to Deposit Account No. 17-0026.

Respectfully submitted,

Date: April 9, 2008

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